

3D + Deep learning

Human/Priori knowledge

2D Image $\xrightarrow{\downarrow}$ 3D Zafu

Problem : Complexity \rightarrow Small resolution

\downarrow
Zafu. Loss

Multi-view CNN : Multicamera

\downarrow
CNN

"X Ray rendering" 3D \rightarrow 2D \rightarrow CNN

3D- GAN Zmap \rightarrow Volume / Point Cloud /

Shape / Surface.

A void $O(N^3)$: Stereo Architecture for
different resolut.